

**ABSTRACT OF THE DISCLOSURE**

A method for erasing noise and a residual image in a storage phosphor, comprising: reading out an exposed storage phosphor which is transported in a first direction by scanning the storage phosphor in a line scan direction perpendicular to the first direction, with a reciprocating stimulating beam of light which causes the storage phosphor to emit light in a first frequency range, the beam of light being suppressed during retrace; erasing the storage phosphor after the reading out with light of a second frequency range and additionally with light of the first frequency range during retrace when the stimulating light beam is suppressed.

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